

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: Dec 31, 2002

Program: SPR-0010(36) FFY99		Part: II Research and Development	
Project Title: Performance of Shoulders Adjacent to Concrete Pavements		Project ID: 0092-02-05	
Administrative Contact: Nina McLawhorn		Sponsor:	
WisDOT Technical Contact: Dave Larson		Approved Starting Date: Sep 17, 2001	
Approved by COR/Steering Committee: \$73,467.00		Approved Ending Date: Feb 28, 2003	
Project Investigator (agency & contact): Sam Owusu-Ababio: UW-Platteville			

Description: This study will be conducted over 17.3 months, and will be completed in six (6) phases.

Task 1: Literature Review

Task 2: Identification and Review of Paved Shoulder Types in Wisconsin

Task 3: Shoulder Condition Survey

Task 4: Data Analysis

4.1: Analysis of Survey Data from Midwestern States

4.2: Performance Analysis of Paved Shoulders

4.3: Analysis of Costs

4.3.1: Analysis of Construction Costs

4.3.2: Sensitivity Analysis of Maintenance Cost Inputs to the LCC

Task 5: Development of Guidelines

Task 6: Final Report

Background:

Shoulders form an essential component of a highway system. When properly designed and maintained, they promote safe traffic operations and provide lateral support for the adjacent mainline pavement.

Total Study Budget	Current FFY Budget	Expenditures for Current Quarter	Total Expenditures to Date	Percent Complete
\$73,467.00	\$24,489.00	\$226.98	\$51,924.17	98 (%)

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Progress This Quarter:

(Includes project committee mtgs, work plan status, contract status, significant progress, etc.)

All data analyses were completed and a draft final report was submitted to Dave Larsen (the project supervisor) on January 3rd 2003 for distribution to the Rigid TOC.

Work Next Quarter:

Comments from the TOC will be addressed and a final report will be submitted. This will be the conclusion of the research project.

Circumstances affecting progress/budget:

A bar chart illustrating progress schedule is provided below.

The research project is on-schedule based on the no-cost time extension and revised completion date of February 28, 2003. The project is 98% complete.

Gantt Chart:

WHRP Project I.D. 0092-02-05

Performance of Shoulders Adjacent to Concrete Pavements.

Task	Description	2001			2002												2003		Percent Complete
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
1	Literature Review and Survey																		100
2	Review of Shoulder Types																		100
3	Shoulder Condition Survey																		100
4	Data Analysis																		100
5	Development of Guidelines																		100
6	Draft Report																		100
7	Final Report																		0
Proposed																			98
Actual																			98
Project																			98

Note: Gantt chart shown in State Fiscal Year Quarters